**DAILY ASSESSMENT FORMAT**

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| **Date:** | **21/5/2020** | **Name:** | **Niharika Narayana L** |
| **Course:** | **TCS ION** | **USN:** | **4al17ec062** |
| **Topic:** | **Understand Artificial Intelligence (AI) - Part 1**  **Understand Artificial Intelligence (AI) - Part 2** | **Semester & Section:** | **6th B** |
| **Github Repository:** | **Niharika Narayana L** |  |  |

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| **FORENOON SESSION DETAILS** |
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| **Report**  **Understand Artificial intelligence (Ai) Part 1**  **In this course we are able to understand the role of basic knowledge representation, problem solving, learning methods in Ai in engineering intelligent systems.**  **Objectives**  **• Develop intelligent systems by assembling solutions to concrete computational problems Appreciate the role of problem solving, natural language processing and vision in understanding human intelligence from a computational perspective**  **Goals**  **Write game playing programs**  **• Formulate problem as state space search problem and efficiently solve them • • use machine learning to find patterns in data Build expert systems**  **What is Ai?**  **Artificial Intelligence is concerned with the design of intelligence in an artificial device.**  **Typical Ai Problems Intelligent entities (or "agents") need to be able to do both mundane and expert tasks:**  **Mundane tasks Planning route, activity**  **Recognizing (through vision) people, objects**  **Communicating (through natural language) Navigating around obstacles on the street.**  **Expert tasks Medical diagnosis Mathematical Problem solving**  **Intelligent behavior Perception**  **• Rravaning**  **• Learning**  **• Understanding language Solving problems**  **Applications Computer vision**  **• Image recognition**  **• Robotics Language processing**  **Configuring products**  **Practical impact of Al Al components are embedded in numerous device Al systems are in every use**  **• Detecting credit card fraud •**  **• Aiding complex planning tasks Advising physicians**  **Approaches to A Strong Ai aims to build machine that can truly reason and solve problems which is self aware and whose overal intellectual ability is indistinguishable from that of a human being Human like Non-human like**  **Weal Al: Deals with the creation of some form of computer-based artificial intelligence that cannot truly reason and solve problems, but can act as if it were intelligent.**  **Weal Al holds that suitably programmed machine can simulate human cognition**  **Strong Al maintains that suitably programmed machine is capable of cognitive metal states**  **Limits od Al today Today's successful Al systems**  **• Operate in well-defined domains Employ narrow, specialized knowledge**  **Commonsense knowledge Understand unconstrained natural language Needed in complex and open-ended world up** |

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| **Date:22/5/2020** |  | **Name: Niharika Narayana L** |  | |
| **Course:** | **Python** | **USN:4al17ec072** |  | |
| **Topic:** | **Application 2: Create Web maps with Python and Folium** | **Semester the & Section: B** |  | |
| **AFTERNOON SESSION DETAILS** | | | |
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| **Report**  **Instal OpenCV.**  **1. Open the command line and type.**  **Pip install opencv-python**  **2. Open a Python session and try**  **Import cv2**  **3. If you get no crrors you installed OpenCV successfully,**  **may problem occurs**  **1. My OpenCV installation didn't work on Windows**  **Solution:**  **. Uninstall OpenCV with**  **• Pip uninstall opencv python • z Download a wheel whl) file from this link and install the file with pip Make sure you download the correct file for your Windows and your Python versions. For example, for Python**  **3.6 on Windows 64 bit you would do this**  **• Pip install eprnicvyihern-3.20-ep3om-wiramd64 whl**  **.**  **Try to import cv2 in Python again. If there's sil an error, lype the following again in the COmmand line**  **• Pip install opencv python**  **4. Try importing**  **2 again. It should work at this point,**  **2. My OpenCV Installation didn't work on Mac**  **Solution**  **If pip install opencv python didn't work Install OpenCV for Python 2 and use Python 2 to run the programs that contains V2 code. Because Python 2 is installed by default on Mac, you don't need to install Python 2.**  **Here are the steps to correctly install OpenCV:**  **• Install brew.**  **• To install and operate your email and execute the following**    **OpenCV depends on GTK-, terminal):**  **Brew install gtk**  **• Install OpenCV with brew**  **Brew install opencv**  **• Open Python 2 by typing:**  **python**  **Import cv2 in Python**  **Import cv2**  **so install that dependency first with brew (always Irom the**  **If you get no errors. you installed OpenCV successfully** | | | |